

Date: Thursday, 9/14/2006 7:30:58 AM  
 User: Kim Johnston

## Process Sheet

<b>Customer</b> : CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b> : HORIZONTAL TUBE
<b>Job Number</b> : 28588	
<b>Estimate Number</b> : 12313	
<b>P.O. Number</b> : N/A	<b>Part Number</b> : D34737
<b>This Issue</b> : 9/14/2006 <b>S.O. No.</b> : N/A	<b>Drawing Number</b> : D3473 REV B
<b>Prsht Rev.</b> : NC	<b>Project Number</b> : N/A
<b>First Issue</b> : N/A <b>Type</b> : SMALL /MED FAB	<b>Drawing Revision</b> : B
<b>Previous Run</b> : 27020	<b>Material</b> : N/A
<b>Written By</b> : <u>                    </u>	<b>Due Date</b> : 10/6/2006 <b>Qty:</b> 4 <b>Um:</b> Each
<b>Checked &amp; Approved By</b> : <u>                    </u>	
<b>Comment</b> : Est Rev:A New Issue 06-03-02 JLM Est Rev:B As per Rev B 06-05-24 JLM	

## Additional Product

Job Number:



<b>Seq. #:</b>	<b>Machine Or Operation:</b>	<b>Description :</b>
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1.0	M304S26GA	304/316 0.018 SHEET
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**Comment:** Qty.: 0.6305 sf(s)/Unit Total : 2.5221 sf(s)

304/316 0.018 SHEET

Batch: 01101000

2.0	WATER JET	FLOW WATER JET
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**Comment:** FLOW WATER JET

Cut as per Dwg D3473

Dwg Rev: B

Prog Rev: B

3.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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**Comment:** INSPECT PARTS AS THEY COME OFF MACHINE

4.0	QC8	SECOND CHECK
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**Comment:** SECOND CHECK

5.0	SMALL FAB 1	SMALL & MEDIUM FAB RESOURCE 1
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**Comment:** SMALL & MEDIUM FAB RESOURCE 1

1-Deburr if necessary. SAD 06.09.25

2-Roll & Bead as per Dwg D3473

3-Spot weld as per Dwg D3473

SAB 06/09/26

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA: ☒ Date: 06/09/28

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Date: Thursday, 9/14/2006 7:30:58 AM  
User: Kim Johnston

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: HORIZONTAL TUBE

Job Number: 28588

Part Number: D34737

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC5/11

INSPECT WORK/INSPECT SPOT WELD



Comment: INSPECT WORK/INSPECT SPOT WELD

*0609-26 (4)*

7.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

*ST-442*

*06/09/28 (4)*

8.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

*06/09/28 (4)*

Job Completion



*u 06-09-28*

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

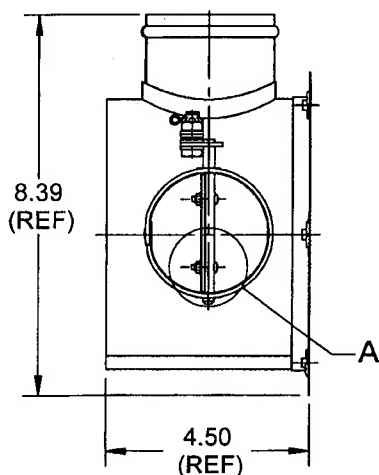
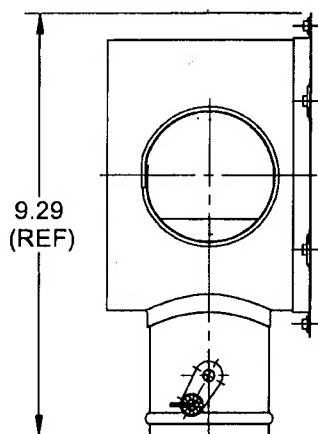
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



DESIGN B	DRAWN BY B	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED H	APPROVED H	DRAWING NO. <b>D3473</b>	REV. B SHEET 1 OF 7
DATE <b>06.05.16</b>		TITLE <b>BLOWER INLET ADAPTER</b>	SCALE 1:4
A	06.02.07	NEW ISSUE	
B	06.05.16	D3473-5F/-7F: 9.750 & 8.810 WERE 9.60 & 8.60	

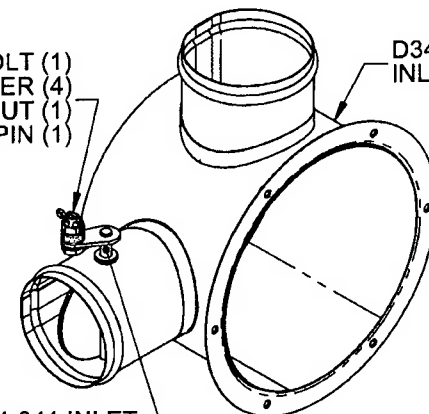
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06-05-16 H



D3470-9 BOLT (1)  
AN960-416 WASHER (4)  
AN310-4 NUT (1)  
MS24665-153 COTTER PIN (1)

D3474-041 INLET  
VALVE SHAFT (1)

D3473-043 BLOWER  
INLET ADAPTER (1)



D3474-041 INLET  
VALVE SHAFT (REF)

MS35206-217 SCREW  
AN960-4L WASHER (1)  
NAS679A04 NUT(1)  
(2 PLACES)

D3474-7 VALVE  
SEAL (1)

**DETAIL A**  
SCALE 1:1

D3474-5 PLATE VALVE  
(2 PLACES)

### D3473-041 BLOWER INLET ADAPTER

#### NOTES:

- 1) IDENTIFY WITH DART P/N D3473-041 USING FINE POINT PERMANENT INK MARKER
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

QTY -041	P/N	DESCRIPTION
X	D3473-041	BLOWER INLET ADAPTER
1	D3470-9	BOLT
1	D3471-043	BLOWER INLET WELDMENT
1	D3474-041	INLET VALVE SHAFT
2	D3474-5	BUTTERFLY VALVE
1	D3474-7	BUTTERFLY VALVE SEAL
1	AN310-4	NUT
2	AN960-4L	WASHER
4	AN960-416	WASHER
1	MS24665-153	COTTER PIN
2	MS35206-217	SCREW
2	NAS679-A04	NUT

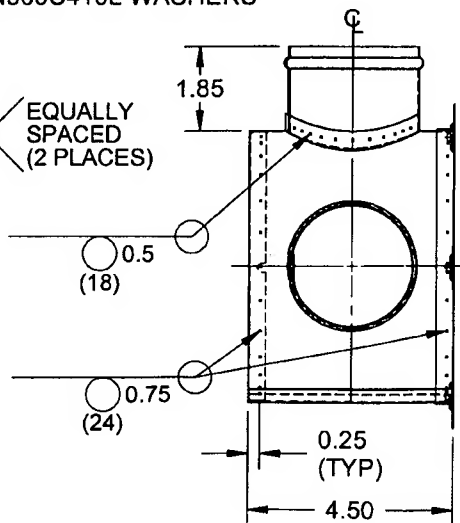
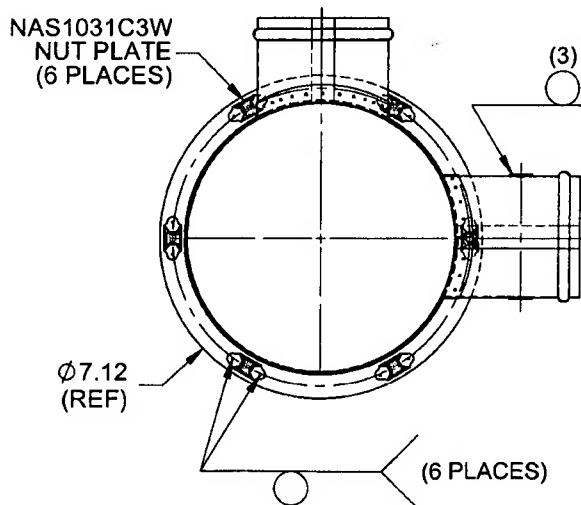
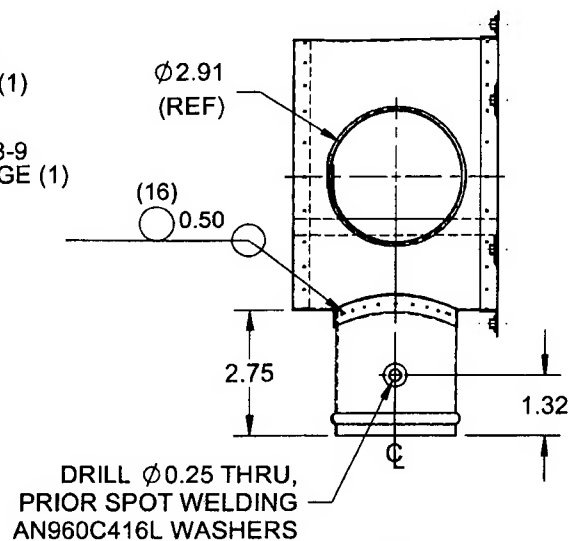
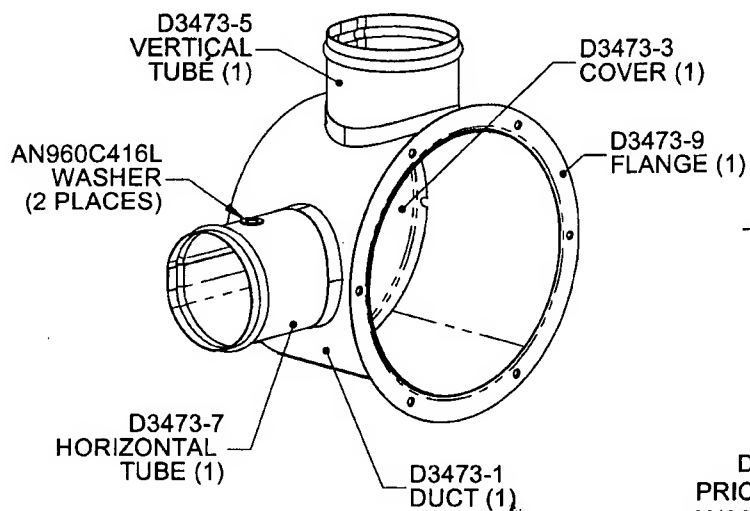
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CHECKED H	APPROVED H	DRAWING NO. D3473	REV. B SHEET 2 OF 7
DATE 06.05.16		TITLE BLOWER INLET ADAPTER	SCALE 1:4

RELEASED  
06.05.16



### D3473-043 BLOWER INLET WELDMENT

#### NOTES:

- 1) SPOT WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

QTY -041	P/N	DESCRIPTION
X	D3473-043	BLOWER INLET WELDMENT
1	D3473-1	DUCT SHOP COPY
1	D3473-3	COVER RETURNS TO
1	D3473-5	VERTICAL TUBE ENGINEERING
1	D3473-7	HORIZONTAL TUBE CONTROLLED COPY
1	D3473-9	FLANGE SUBJECT TO AMENDMENT
2	AN960C416L	WASHER WITHOUT NOTICE
6	NAS1031C3W	NUT PLATE WORK ORDER NO. 28588

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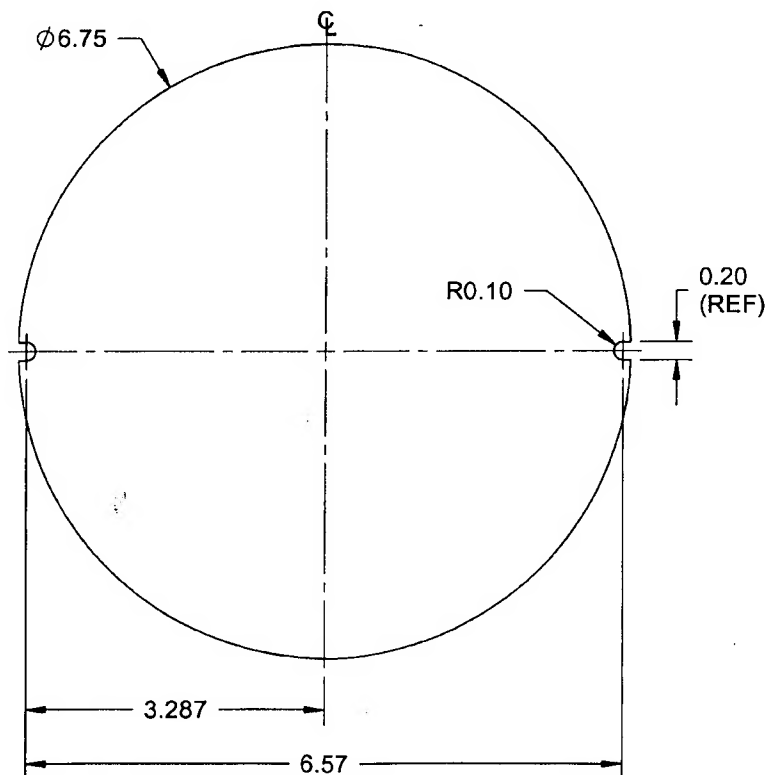
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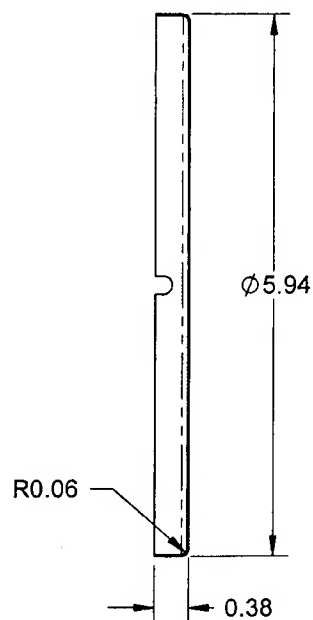


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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3473	REV. B SHEET 4 OF 7
DATE 06.05.16		TITLE BLOWER INLET ADAPTER	SCALE 1:2

RELEASED  
06-05-16 *[Signature]*



**D3473-3F COVER FLAT PATTERN**



**D3473-3 COVER**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)
- 2) PART IS SYMMETRICAL ABOUT CENTERLINE
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

SHOP COPY  
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TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. **28588**

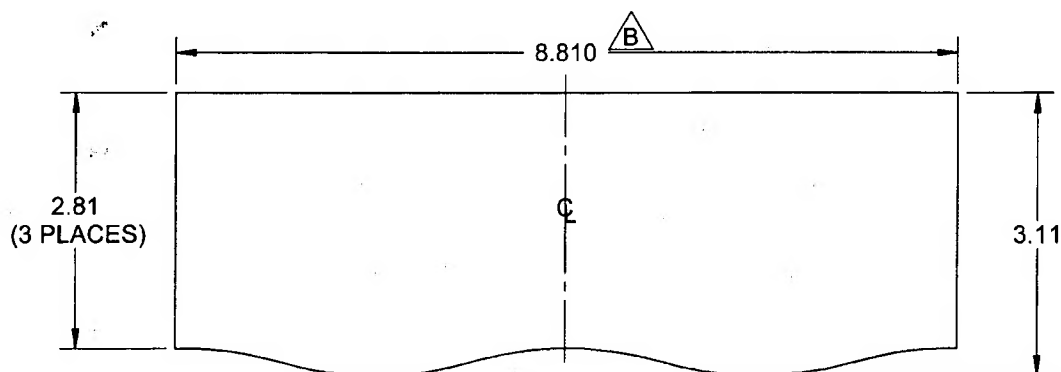
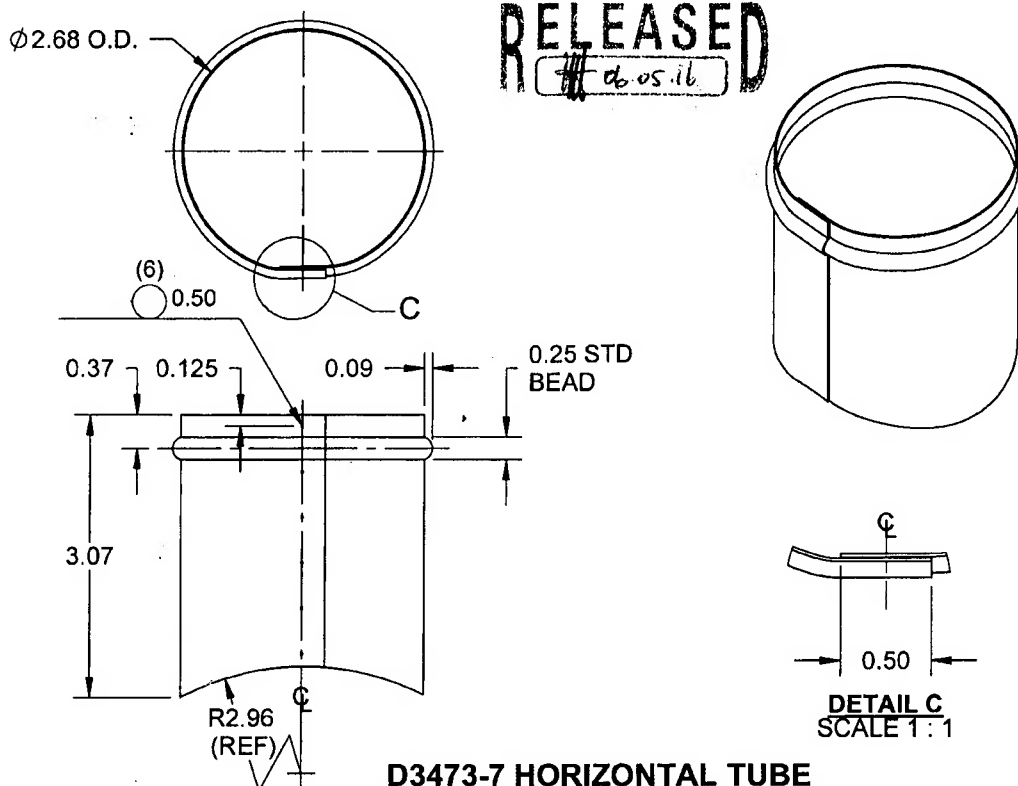
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CHECKED H	APPROVED H	DRAWING NO. D3473	REV. B SHEET 6 OF 7
DATE 06.05.16		TITLE BLOWER INLET ADAPTER	SCALE 1:2

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)
- 2) SPOT WELD PER DART QSI 004
- 3) FINISH: NONE
- 4) FLAT PATTERN IS SYMMETRICAL ABOUT CENTERLINE
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) BREAK ALL SHARP EDGES 0.005 TO 0.010

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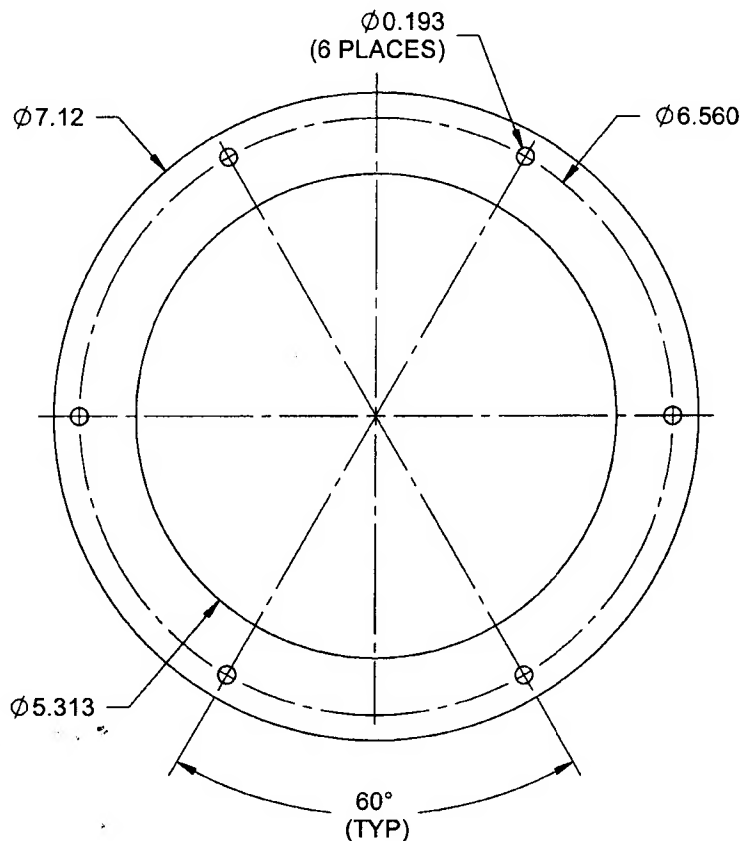
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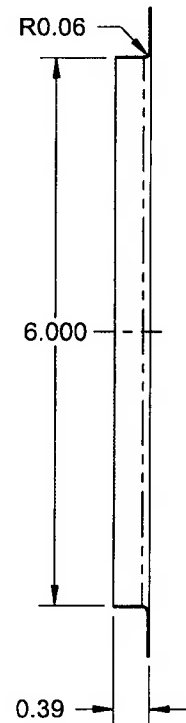


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CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3473	REV. B SHEET 7 OF 7
DATE 06.05.16		TITLE BLOWER INLET ADAPTER	SCALE 1:2

RELEASED  
*[Stamp]*



**D3473-9F FLANGE FLAT PATTERN**



**D3473-9 FLANGE  
BENDING DETAIL**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK) (REF. DART SPEC. M304S26GA)
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

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